

=> s GDNF receptor#

L1 42 GDNF RECEPTOR#

=> duplicate remove

ENTER L# LIST OR (END):11

DUPLICATE PREFERENCE IS 'MEDLINE, BIOSIS'

KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n

PROCESSING COMPLETED FOR L1

L2 30 DUPLICATE REMOVE L1 (12 DUPLICATES REMOVED)

=> d 12 1-30

L2	ANSWER 1 OF 30 MEDLINE	DUPLICATE 1
AN	1998195371 MEDLINE	
DN	98195371	
TI	A distinct subgroup of small DRG cells express GDNF receptor components and GDNF is protective for these neurons after nerve injury.	
AU	Bennett D L; Michael G J; Ramachandran N; Munson J B; Averill S; Yan Q; McMahon S B; Priestley J V	
CS	Department of Physiology, United Medical and Dental Schools (St. Thomas' Campus), London, SE1 7EH, United Kingdom.	
SO	JOURNAL OF NEUROSCIENCE, (1998 Apr 15) 18 (8) 3059-72. Journal code: JDF. ISSN: 0270-6474.	
CY	United States	
DT	Journal; Article; (JOURNAL ARTICLE)	
LA	English	
FS	Priority Journals	
EM	199806	
EW	19980604	
L2	ANSWER 2 OF 30 MEDLINE	DUPLICATE 2
AN	1998125881 MEDLINE	
DN	98125881	
TI	The messenger RNAs for both glial cell line-derived neurotrophic factor receptors, c-ret and GDNFRalpha, are induced in the rat brain in response to kainate-induced excitation.	
AU	Reeben M; Laurikainen A; Hiltunen J O; Castren E; Saarma M	
CS	Institute of Biotechnology, Program of Molecular Neurobiology, University of Helsinki, Finland.	
SO	NEUROSCIENCE, (1998 Mar) 83 (1) 151-9. Journal code: NZR. ISSN: 0306-4522.	
CY	United States	
DT	Journal; Article; (JOURNAL ARTICLE)	
LA	English	
FS	Priority Journals	
EM	199805	
EW	19980502	
L2	ANSWER 3 OF 30 MEDLINE	DUPLICATE 3
AN	1998140743 MEDLINE	
DN	98140743	
TI	Localization of glial cell line-derived neurotrophic factor receptor alpha and c-ret mRNA in rat central nervous system.	

AU Glazner G W; Mu Springer J E
CS Department of Anatomy and Neurobiology, University of Kentucky
Medical Center, Lexington 40536-0084, USA.
NC NS-30248 (NINDS)
SO JOURNAL OF COMPARATIVE NEUROLOGY, (1998 Feb 2) 391 (1) 42-9.
Journal code: HUV. ISSN: 0021-9967.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199806
EW 19980601

L2 ANSWER 4 OF 30 BIOSIS COPYRIGHT 1998 BIOSIS
AN 98:97348 BIOSIS
DN 01097348
TI Cloning of a novel murine isoform of the glial cell line-derived
neurotrophic factor receptor.
AU Dey B K; Wong Y W; Too H P
CS Dep. Biochem., Fac. Med., National Univ. Singapore, 10 Kent Ridge
Crescent, Singapore 119260, Singapore
SO Neuroreport 9 (1). 1998. 37-42. ISSN: 0959-4965
LA English

L2 ANSWER 5 OF 30 MEDLINE DUPLICATE 4
AN 97279117 MEDLINE
DN 97279117
TI Complementary and overlapping expression of glial cell line-derived
neurotrophic factor (GDNF), c-ret proto-oncogene, and **GDNF**
receptor-alpha indicates multiple mechanisms of trophic
actions in the adult rat CNS.
AU Trupp M; Belluardo N; Funakoshi H; Ibanez C F
CS Division of Molecular Neurobiology, Department of Neuroscience,
Karolinska Institute, 171 77 Stockholm, Sweden.
SO JOURNAL OF NEUROSCIENCE, (1997 May 15) 17 (10) 3554-67.
Journal code: JDF. ISSN: 0270-6474.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199708
EW 19970801

L2 ANSWER 6 OF 30 MEDLINE DUPLICATE 5
AN 97261999 MEDLINE
DN 97261999
TI Expression of the RET receptor tyrosine kinase and GDNFR-alpha in
normal and leukemic human hematopoietic cells and stromal cells of
the bone marrow microenvironment.
AU Gattei V; Celetti A; Cerrato A; Degan M; De Iulii A; Rossi F M;
Chiappetta G; Consales C; Improta S; Zagonel V; Aldinucci D; Agosti
V; Santoro M; Vecchio G; Pinto A; Grieco M
CS Divisione di Oncologia Medica, Centro di Riferimento Oncologico,
INRCCS, Aviano, Italy.
SO BLOOD, (1997 Apr 15) 89 (8) 2925-37.
Journal code: A8G. ISSN: 0006-4971.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Abridged Index Medicus Journals; Priority Journals; Cancer Journals
EM 199707
EW 19970704

L2 ANSWER 7 OF 30 MEDLINE DUPLICATE 6
AN 97382398 MEDLINE

DN 97382398
TI Differential regulation of mRNAs for GDNF and its receptors Ret and GDNFR alpha after sciatic nerve lesion in the mouse.
AU Naveilhan P; ElShamy W M; Ernfors P
CS Laboratory of Molecular Neurobiology, MBB, Karolinska Institute, Stockholm, Sweden.
SO EUROPEAN JOURNAL OF NEUROSCIENCE, (1997 Jul) 9 (7) 1450-60.
Journal code: BYG. ISSN: 0953-816X.
CY ENGLAND: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199711
EW 19971104

L2 ANSWER 8 OF 30 MEDLINE
AN 1998014422 MEDLINE
DN 98014422
TI IB4-binding DRG neurons switch from NGF to GDNF dependence in early postnatal life.
AU Molliver D C; Wright D E; Leitner M L; Parsadanian A S; Doster K; Wen D; Yan Q; Snider W D
CS Department of Neurology, Center for the Study of Nervous System Injury, Washington University School of Medicine, St. Louis, Missouri 63110, USA.
NC NS 31768 (NINDS)
NS 17763 (NINDS)
AG 13729 (NIA)
+
SO NEURON, (1997 Oct) 19 (4) 849-61.
Journal code: AN8. ISSN: 0896-6273.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199801
EW 19980104

L2 ANSWER 9 OF 30 BIOSIS COPYRIGHT 1998 BIOSIS
AN 97:470181 BIOSIS
DN 99769384
TI Expression and localization of the GDNF receptor complex in the developing rat brain.
AU Engele J; Franke B
CS Anat. Cell Biol., University Ulm, 89069 Ulm, Germany
SO 27th Annual Meeting of the Society for Neuroscience, Part 1, New Orleans, Louisiana, USA, October 25-30, 1997. Society for Neuroscience Abstracts 23 (1-2). 1997. 623. ISSN: 0190-5295
DT Conference
LA English

L2 ANSWER 10 OF 30 BIOSIS COPYRIGHT 1998 BIOSIS
AN 97:470182 BIOSIS
DN 99769385
TI Immunohistochemical study of C-Ret, the GDNF receptor, in the nervous system (CNS) of adult rats.
AU Yan Q; Matheson C R; Wen D
CS Amgen Inc., Thousand Oaks, CA 91320, USA
SO 27th Annual Meeting of the Society for Neuroscience, Part 1, New Orleans, Louisiana, USA, October 25-30, 1997. Society for Neuroscience Abstracts 23 (1-2). 1997. 623. ISSN: 0190-5295
DT Conference
LA English

L2 ANSWER 11 OF 30 BIOSIS COPYRIGHT 1998 BIOSIS

AN 97:470178 BIOSIS
DN 99769381
TI On the signaling mechanisms of **GDNF receptors**.
AU Ibanez C F; Trupp M
CS Lab. Molecular Neurobiol., Dep. Neuroscience, Karolinska Inst., S-171
77 Stockholm, Sweden
SO 27th Annual Meeting of the Society for Neuroscience, Part 1, New
Orleans, Louisiana, USA, October 25-30, 1997. Society for
Neuroscience Abstracts 23 (1-2). 1997. 623. ISSN: 0190-5295
DT Conference
LA English

L2 ANSWER 12 OF 30 BIOSIS COPYRIGHT 1998 BIOSIS

AN 97:470177 BIOSIS

DN 99769380

TI Co-localization of **GDNF receptor**-alpha and ret in
vivo.

AU Scully S; Yu T; Fox M; Jing S; Zhou R

CS Lab. Cancer Res., Coll. Pharmacy, Rutgers Univ., Piscataway, NJ
08855, USA

SO 27th Annual Meeting of the Society for Neuroscience, Part 1, New
Orleans, Louisiana, USA, October 25-30, 1997. Society for
Neuroscience Abstracts 23 (1-2). 1997. 622. ISSN: 0190-5295

DT Conference

LA English

L2 ANSWER 13 OF 30 BIOSIS COPYRIGHT 1998 BIOSIS

AN 98:44714 BIOSIS

DN 01044714

TI Expression of GDNF and its receptors in developing tooth is
developmentally regulated and suggests multiple roles in innervation
and organogenesis.

AU Luukko K; Suvanto P; Saarma M; Thesleff I

CS Program Dev. Biol., Inst. Biotechnol., Biocenter 1A, PO Box 56,
FIN-00014 University Helsinki, Helsinki, Finland

SO Developmental Dynamics 210 (4). 1997. 463-471. ISSN: 1058-8388

LA English

L2 ANSWER 14 OF 30 MEDLINE

DUPLICATE 8

AN 97234721 MEDLINE

DN 97234721

TI Defects in sensory and autonomic ganglia and absence of locus
coeruleus in mice deficient for the homeobox gene Phox2a.

AU Morin X; Cremer H; Hirsch M R; Kapur R P; Goridis C; Brunet J F

CS Institut de Biologie du Developpement de Marseille,
CNRS/INSERM/Universite de la Mediterranee, France.

SO NEURON, (1997 Mar) 18 (3) 411-23.

Journal code: AN8. ISSN: 0896-6273.

CY United States

DT Journal; Article; (JOURNAL ARTICLE)

LA English

FS Priority Journals

EM 199706

EW 19970604

L2 ANSWER 15 OF 30 MEDLINE

DUPLICATE 9

AN 97404110 MEDLINE

DN 97404110

TI Cellular and developmental patterns of expression of Ret and glial
cell line-derived neurotrophic factor receptor alpha mRNAs.

AU Nosrat C A; Tomac A; Hoffer B J; Olson L

CS Department of Neuroscience, Karolinska Institute, Stockholm,
Sweden.. christopher.nosrat@neuro.ki.se

SO EXPERIMENTAL BRAIN RESEARCH, (1997 Jul) 115 (3) 410-22.

Journal code: EP2. ISSN: 0014-4819.

CY GERMANY: German Federal Republic of
DT Journal; Article (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199712
EW 19971201

L2 ANSWER 16 OF 30 BIOSIS COPYRIGHT 1998 BIOSIS
AN 97:468473 BIOSIS
DN 99767676

TI A role for neurturin and a protein related to GDNF
receptor-alpha in reproduction.

AU Olson L; Widenfalk J; Nosrat C; Lindqvist E; Westphal H; Hoffer B;
Tomac A

CS Dep. Neuroscience, Karolinska Inst., S-171 77 Stockholm, Sweden
SO 27th Annual Meeting of the Society for Neuroscience, Part 1, New
Orleans, Louisiana, USA, October 25-30, 1997. Society for
Neuroscience Abstracts 23 (1-2). 1997. 330. ISSN: 0190-5295

DT Conference
LA English

L2 ANSWER 17 OF 30 MEDLINE DUPLICATE 10
AN 97153284 MEDLINE
DN 97153284

TI Mutation analysis of glial cell line-derived neurotrophic factor
(GDNF), a ligand for the RET/GDNF receptor alpha
complex, in sporadic pheochromocytomas.

AU Dahia P L; Toledo S P; Mulligan L M; Maher E R; Grossman A B; Eng C
CS Division of Cancer Epidemiology and Control, Dana-Farber Cancer
Institute, Department of Medicine, Harvard Medical School, Boston,
Massachusetts 02115, USA.

SO CANCER RESEARCH, (1997 Jan 15) 57 (2) 310-3.
Journal code: CNF. ISSN: 0008-5472.

CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals; Cancer Journals
EM 199704
EW 19970403

L2 ANSWER 18 OF 30 BIOSIS COPYRIGHT 1998 BIOSIS
AN 97:355658 BIOSIS
DN 99662061

TI The coming of age of the GDNF family and its receptors: Gene delivery
in a rat Parkinson model may have clinical implications.

AU Olson L
CS Dep. Neurosci., Karolinska Inst., Stockholm S-171 77, Sweden
SO Trends in Neurosciences 20 (7). 1997. 277-279. ISSN: 0166-2236
LA English

L2 ANSWER 19 OF 30 BIOSIS COPYRIGHT 1998 BIOSIS
AN 97:382936 BIOSIS
DN 99682139

TI GDNF-induced activation of the Ret protein tyrosine kinase is
mediated by GDNFR-alpha, a novel GDNF receptor.

AU Jing S; Wen D; Yu Y; Holst P L; Luo Y; Fang M; Tamir R; Antonio L; Hu
Z; Cupples R; Louis J-C; Hu S; Altmann B W; Fox G M

CS Dep. Immunol., Amgen Inc., Thousand Oaks, CA 91320, USA
SO Joint Sixteenth Biennial Meeting of the International Society for
Neurochemistry and Twenty-eighth Annual Meeting of the American
Society for Neurochemistry, Boston, Massachusetts, USA, July 20-26,
1997. Journal of Neurochemistry 69 (SUPPL.). 1997. S229. ISSN:
0022-3042

DT Conference
LA English

L2 ANSWER 20 OF 30 MEDLINE
 AN 1998135204 MEDLINE
 DN 98135204
 TI Multiple endocrine neoplasia type 1 and 2: from morphology to molecular pathology 1997.
 AU Komminoth P
 CS Department of Pathology, University of Zurich, Switzerland.
 SO VERHANDLUNGEN DER DEUTSCHEN GESELLSCHAFT FUR PATHOLOGIE, (1997) 81 125-38. Ref: 76
 Journal code: X8G. ISSN: 0070-4113.
 CY GERMANY: Germany, Federal Republic of
 DT Journal; Article; (JOURNAL ARTICLE)
 General Review; (REVIEW)
 (REVIEW, TUTORIAL)
 LA English
 EM 199805
 EW 19980504

L2 ANSWER 21 OF 30 BIOSIS COPYRIGHT 1998 BIOSIS
 AN 97:466876 BIOSIS
 DN 99766079
 TI Role of **GNDF receptors** in the development of the cerebellum: Regulation by thyroid hormone.
 AU Arenas E; Neveu I; Wagner J; Akerud P
 CS Lab. Molecular Neurobiology, Dep. Med. Biochemistry Biophysics, Karolinska Inst., 17177 Stockholm, Sweden
 SO 27th Annual Meeting of the Society for Neuroscience, Part 1, New Orleans, Louisiana, USA, October 25-30, 1997. Society for Neuroscience Abstracts 23 (1-2). 1997. 56. ISSN: 0190-5295
 DT Conference
 LA English

L2 ANSWER 22 OF 30 BIOSIS COPYRIGHT 1998 BIOSIS
 AN 96:548778 BIOSIS
 DN 99271134
 TI The biological activity of N-terminally truncated forms of GDNF on cultured mesencephalic dopaminergic neurons.
 AU Zhang T J; Lile J; Rosenfeld R; Moellering B; Cole C; Tamir R; Brankow D; Shimamoto G; Lee R; Mann M; Delaney J; Aparisio D; Hu S; Collins F; Louis J-C
 CS Dep. Neurosci., Amgen Inc., Thousand Oaks, CA 91320, USA
 SO 26th Annual Meeting of the Society for Neuroscience, Washington, D.C., USA, November 16-21, 1996. Society for Neuroscience Abstracts 22 (1-3). 1996. 1955. ISSN: 0190-5295
 DT Conference
 LA English

L2 ANSWER 23 OF 30 BIOSIS COPYRIGHT 1998 BIOSIS
 AN 96:363366 BIOSIS
 DN 99085722
 TI GDNF-induced activation of the Ret protein tyrosine kinase is mediated by GDNFR-alpha, a novel receptor for GDNF.
 AU Jing S; Wen D; Yu Y; Holst P L; Luo Yi; Fang M; Tamir R; Antonio L; Hu Z; Cupples R; Louis J-C; Hu S; Altroch B W; Fox G M
 CS Dep. Immunol., Amgen Inc., Thousand Oaks, CA 91320, USA
 SO Cell 85 (7). 1996. 1113-1124. ISSN: 0092-8674
 LA English

L2 ANSWER 24 OF 30 MEDLINE DUPLICATE 11
 AN 96267005 MEDLINE
 DN 96267005
 TI Functional receptor for GDNF encoded by the c-ret proto-oncogene [see comments].
 CM Comment in: Nature 1996 Jul 4;382(6586):29-30

AU Trupp M; Arenas Fainzilber M; Nilsson A S; Sieber B A; Grigoriou M; Kilkenny C; Lazar-Grueso E; Pachnis V; Arum; et al
 CS Laboratory of Molecular Neurobiology, Department of Medical Biochemistry and Biophysics, Karolinska Institute, Stockholm, Sweden.
 SO ~~NATURE, (1996 Jun 27) 381 (6585) 785-8.~~
 Journal code: NSC. ISSN: 0028-0836.
 CY ENGLAND: United Kingdom
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Cancer Journals; Priority Journals
 EM 199610

L2 ANSWER 25 OF 30 BIOSIS COPYRIGHT 1998 BIOSIS
 AN 96:488410 BIOSIS
 DN 99210766
 TI Localization of GDNFR-alpha, a putative receptor for GDNF ligand.
 AU Armanini M; Treanor J; Rosenthal A; Phillips H
 CS Dep. Neuroscience, Genentech Inc., 460 Point San Bruno Blvd., San Francisco, CA, USA
 SO 26th Annual Meeting of the Society for Neuroscience, Washington, D.C., USA, November 16-21, 1996. Society for Neuroscience Abstracts 22 (1-3). 1996. 553. ISSN: 0190-5295
 DT Conference
 LA English

L2 ANSWER 26 OF 30 BIOSIS COPYRIGHT 1998 BIOSIS
 AN 96:488411 BIOSIS
 DN 99210767
 TI Isolation and characterization of a receptor for glial cell line-derived neurotrophic factor.
 AU Treanor J; Beck K; Goodman L; Gray C; Armanini M; Phillips H; Hefti F; Goddard A; Davies A; Henderson C; Rosenthal A
 CS Dep. Neuroscience, Genentech Inc., 460 Point San Bruno Blvd., South San Francisco, CA 94080, USA
 SO 26th Annual Meeting of the Society for Neuroscience, Washington, D.C., USA, November 16-21, 1996. Society for Neuroscience Abstracts 22 (1-3). 1996. 553. ISSN: 0190-5295
 DT Conference
 LA English

L2 ANSWER 27 OF 30 MEDLINE DUPLICATE 12
 AN 97078703 MEDLINE
 DN 97078703
 TI The **GDNF receptor**: recent progress and unanswered questions.
 AU Mason I
 CS Department of Developmental Neurobiology, UMDS Guy's and St. Thomas' Hospitals, London, United Kingdom.
 SO MOLECULAR AND CELLULAR NEUROSCIENCES, (1996) 8 (2-3) 112-9. Ref: 46
 Journal code: B1D. ISSN: 1044-7431.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 General Review; (REVIEW)
 (REVIEW, TUTORIAL)
 LA English
 FS Priority Journals
 EM 199706
 EW 19970601

L2 ANSWER 28 OF 30 BIOSIS COPYRIGHT 1998 BIOSIS
 AN 96:444645 BIOSIS
 DN 99167001
 TI Biochemical characterisation of **GDNF receptors** and downstream responses.

AU Ibanez C F
CS Lab. Molecular Neurobiol., Karolinska Inst., 171 Stockholm, Sweden
SO 11th Biennial Meeting of the International Society for Developmental Neuroscience, Tampere, Finland, July 30-August 3, 1996. International Journal of Developmental Neuroscience 14 (SUPPL. 1). 1996. 76. ISSN: 0736-5748
DT Conference
LA English

L2 ANSWER 29 OF 30 BIOSIS COPYRIGHT 1998 BIOSIS
AN 95:469832 BIOSIS
DN 98484132

TI Characterization of **GNDF receptors** on primary neurons and cell lines.

AU Trupp M; Ibanez C F
CS Lab. Mol. Neurobiol. Neurobiol., MBB, Karolinska Inst., S-17177 Stockholm, Sweden
SO 25th Annual Meeting of the Society for Neuroscience, San Diego, California, USA, November 11-16, 1995. Society for Neuroscience Abstracts 21 (1-3). 1995. 1302. ISSN: 0190-5295
DT Conference
LA English

L2 ANSWER 30 OF 30 BIOSIS COPYRIGHT 1998 BIOSIS
AN 95:469829 BIOSIS
DN 98484129

TI Characterization of GDNF binding to putative **GNDF receptor**.

AU Treanor J; Hefti F; Siegel M; Beck K
CS Dep. Neurosci., 460 Point San Bruno Blvd., S. San Francisco, CA 94080, USA
SO 25th Annual Meeting of the Society for Neuroscience, San Diego, California, USA, November 11-16, 1995. Society for Neuroscience Abstracts 21 (1-3). 1995. 1301. ISSN: 0190-5295
DT Conference
LA English

=> s GDNF receptor#

```
          29 GDNF
        32308 RECEPTOR#
L1          2 GDNF RECEPTOR#
           (GDNF(W)RECEPTOR#)
```

=> d l1 1-2

1. 5,731,284, Mar. 24, 1998, Method for treating Alzheimer's disease using glial line-derived neurotrophic factor (GDNF) protein product; Lawrence R. Williams, 514/8, 21 [IMAGE AVAILABLE]
2. 5,641,749, Jun. 24, 1997, Method for treating retinal ganglion cell injury using glial cell line-derived neurothrophic factor (GDNF) protein product; Qiao Yan, et al., 514/12; 435/69.1, 69.4 [IMAGE AVAILABLE]